



STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED

FORM OGC-3

OCT 18 2012

Mo Oil & Gas Council

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN		<input type="checkbox"/> PLUG BACK		<input checked="" type="checkbox"/> FOR AN OIL WELL		<input type="checkbox"/> OR GAS WELL	
NAME OF COMPANY OR OPERATOR Kansas Resource Exploration and Development, LLC						DATE 10/10/2012			
ADDRESS 9393 West 110th St., Suite 500				CITY Overland Park		STATE KS		ZIP CODE 66210	
DESCRIPTION OF WELL AND LEASE									
NAME OF LEASE Clark-Berry				WELL NUMBER CB-20		ELEVATION (GROUND) 1058'			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1409' ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 1638' ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line									
WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West				LATITUDE N38 48' 21.29"		LONGITUDE W94 34' 23.60"		COUNTY Cass	
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1074' FEET									
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 378' FEET									
PROPOSED DEPTH 700' elev. 358'		DRILLING CONTRACTOR, NAME AND ADDRESS Utah Oil, LLC				ROTARY OR CABLE TOOLS Rotary		APPROX. DATE WORK WILL START 11/01/2012	
NUMBER OF ACRES IN LEASE 370		NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 7 NUMBER OF ABANDONED WELLS ON LEASE 0							
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME DE Exploration ADDRESS 4595 Highway K33, Wellsville, KS 66092						NO. OF WELLS PRODUCING 4 INJECTION 2 INACTIVE 0 ABANDONED 0			
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 160,000		<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED			
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)									
PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST					
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT		
20'	8 5/8"	20	8 sks	20'	8 5/8"	20	Full length		
700'	4 1/2"	11.6	125 sks	700'	4 1/2"	11.6			
I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.									
SIGNATURE BK						DATE 10/15/12			
PERMIT NUMBER 037-21144				<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input type="checkbox"/> SAMPLES REQUIRED <input checked="" type="checkbox"/> SAMPLES NOT REQUIRED <input type="checkbox"/> WATER SAMPLES REQUIRED AT					
APPROVED DATE 12-5-12				<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN					
APPROVED BY Joseph A. [Signature]									
NOTE THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.									
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE									
I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.									
DRILLER'S SIGNATURE B. Leech						DATE 10/16/12			

180' below TD



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

FORM OGC-4

OWNER'S NAME Kansas Resource Exploration & Development	
LEASE NAME Clark-Berry CB-20	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1409 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 1638 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line	
WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38° 48' 21.29"	LONGITUDE W94° 34' 23.60"
<div><div><div>N ↑</div><div>✓</div></div><div><div>Section 16</div><div>✓</div><div><div>1074' from lease</div><div>1638' FEL</div><div>1409' FSL</div><div>Clark Berry</div></div></div></div>	
REMARKS ✓ Section 16 is larger than 1 square mile. One square equals 682.25 feet, which accounts for the larger dimensions of this section.	
INSTRUCTIONS On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.	This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.
REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143 ONE (1) COPY WILL BE RETURNED	REGISTERED LAND SURVEYOR NUMBER



Missouri Department of Natural Resources

Geographic Information Systems

Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

Submit

☐ Universal Transverse Mercator
[Zone 15 North]

Easting
 363396.81933320186 meters

 Northing
 4296414.458034836 meters

☐ Decimal Degrees

Latitude
 38.8059138888889 °

 Longitude
 -94.5732222222221 °

☒ Degrees, Minutes and Seconds

Latitude Degrees
 38 °

 Latitude Minutes
 48 '

 Latitude Seconds
 21.29 "

 Longitude Degrees
 -94 °

 Longitude Minutes
 34 '

 Longitude Seconds
 23.6 "

UTM Zone 15N [Easting, Northing]	[363396.8, 4296414.4] meters
Decimal Degrees [Lat, Lon]	[38.805913°, -94.573223°]
Deg, Min, Sec [Lat, Lon]	[38° 48' 21.2", -94° 34' 23.6"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 16 T46N R33W
Municipality	NO VALUE
House District	123
Senate District	31
Congressional District	5
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Belton [38094-G5]
8 Digit Watershed	10290108 [South Grand]
10 Digit Watershed	1029010801 [Headwaters South Grand River]
12 Digit Watershed	102901080101 [East Creek]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Osage/South Grand
Level III Ecoregion	Central Irregular Plains
Query Time	6.391 s

Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 1069'

$\frac{P}{M}$: 229' elev. $P_c - M$: 345'

Metadata

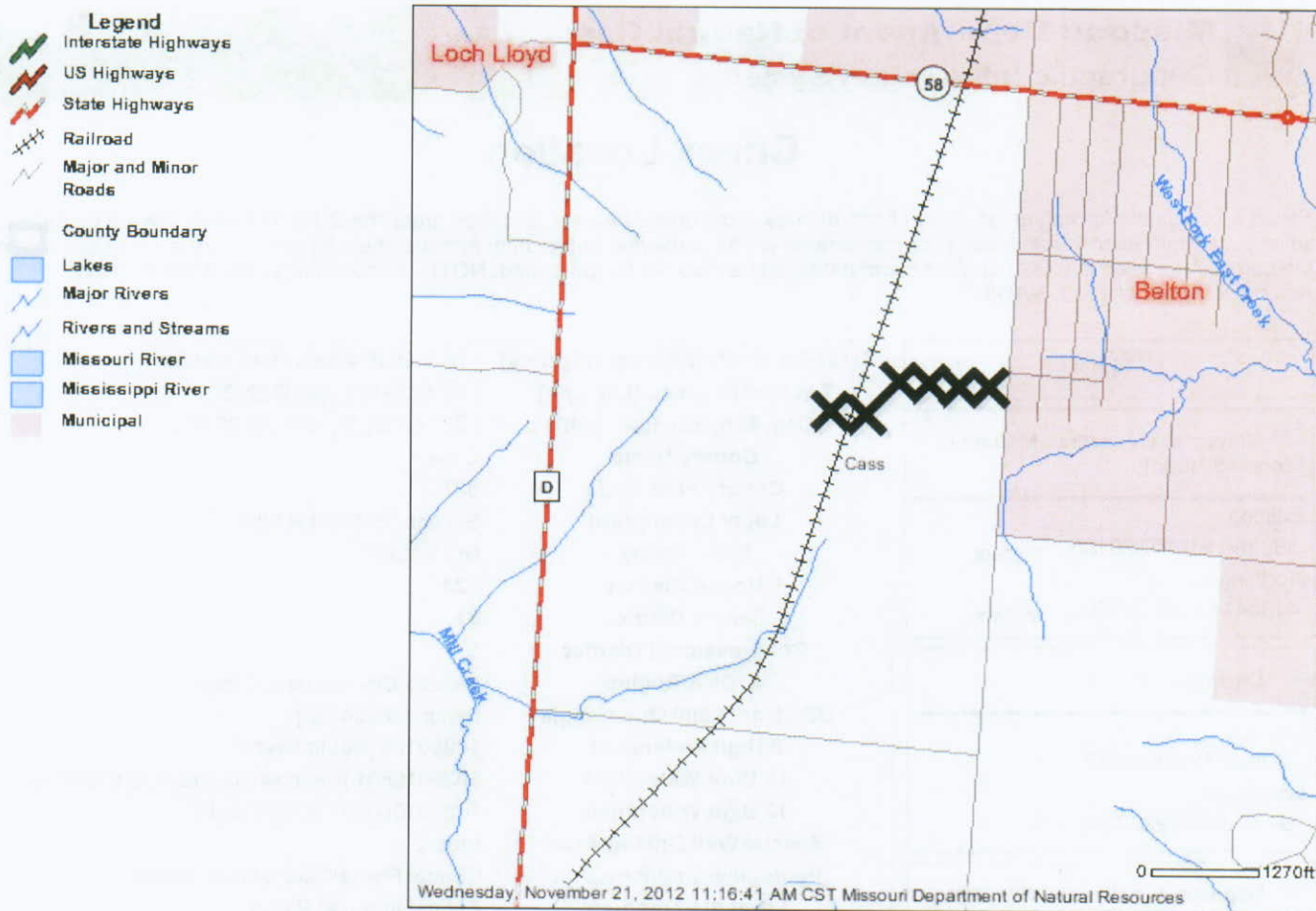
- Interstate Highways
- US Highways
- State Highways
- Railroad
- Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal

Well ID: #026255

P_c : 535' TD

1058-535-345

$\Rightarrow \frac{P}{M} \sim 178' \text{ elev.}$



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



Missouri
Department of
Natural Resources

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